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May 10, 1993

RECEIVED
MAY 10 1993
FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Ms. Donna R. Searcy
Secretary
Federal Communications Commission
1919 M Street, NW
Room 222
Washington, D.C. 20554

Re: AM Stereo (Dkt. No. 92-298) --
Ex parte Presentation

Dear Madam Secretary:

This letter will advise you that today I have dispatched to Mr. Julius Knapp, Chief, Authorization and Evaluation Division, OET, an audio cassette and explanatory sheet headed "Listening Instructions" prepared by and under the direction of Mr. Leonard Kahn, a party to this proceeding. These materials are designed to illustrate practical technical deficiencies in Motorola's AM stereo system referred to in numerous comments and reply comments in this proceeding.

Two copies of this letter, of the audio cassette, and of the explanatory sheets are being submitted pursuant to Section 1.1206(a) of the Commission's rules.

Respectfully submitted,

William Malone

William Malone

Attorney for
Leonard R. Kahn

WM:bym
Enclosure (in duplicate)
cc: Mr. Julius Knapp
Michael Menius, Esquire

No. of Copies rec'd 0+2
List A B C D E

FCC ET DOCKET NO. 92-298 May 4, 1993
Submission by Leonard R. Kahn

LISTENING INSTRUCTIONS

To best monitor this tape use a stereophonic cassette playback machine with **stereo earphones.** The use of stereo earphones is essential in order to hear the full platform motion effects as well as the desired stereophonic program.

Stereo earphones not only provide more faithful performance, but in evaluating stereo broadcast systems their use is essential as they properly simulate the type of reception that one would enjoy with Walkman type receivers[1]. Since such Walkman type receivers are so widely used, any radio broadcasting system that creates unacceptable artifacts when earphones are used is not truly viable.

SECTION I (Running time approximately 6 1/2 minutes)

The first section of the tape is a copy of a cassette that was widely distributed by Kahn Communications, Inc. and was used at trade shows, etc. It was recorded in 1984, using multi-system manually switched receivers. In some ways this accentuates the platform motion problem as the radio does not automatically switch to mono where this problem cannot be heard. However, the demonstration provides ample proof why Motorola type receivers always incorporate significant circuitry to switch from stereo to mono modes whenever signal conditions are moderate to poor.[2]

SECTION II (Running time approximately 13 minutes)

This segment was recorded just last night using a recent model GM/Delco "Motorola-only" car radio, series 16131335. The recording was made in a stationary environment in East Meadow, New York. The antenna was an inexpensive whip car antenna (extended 51") and the unit was powered by a 12 volt car battery.

Attachment A

DOCUMENT OFF-LINE

This page has been substituted for one of the following:

o An oversize page or document (such as a map) which was too large to be scanned into the RIPS system.

o Microfilm, microform, certain photographs or videotape.

o Other materials which, for one reason or another, could not be scanned into the RIPS system.

The actual document, page(s) or materials may be reviewed by contacting an Information Technician. Please note the applicable docket or rulemaking number, document type and any other relevant information about the document in order to ensure speedy retrieval by the Information Technician.

Tape And Listening Instructions